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REPORT

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REFERENCES:

SUPPLEMENT TO

REPORT NO.

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1. Prior to 28 June 1958, it was learned that four test stands, which differ only in their equipment, belonged to Plant No 802, Pirna, of VVB-Flugzeugbau. The test stands Nos 1 and 2 are used for the testing of turbojet engines. The trestle mounting the engine is suspended by three plate springs, each 400 x 200 mm. It has hydraulic equipment for absorbing the resonant vibrations. The measuring apparatus has hydraulic operation with a range of up to 5,000 kph. The hydraulic measure cells on which the spring movements of the trestle are transmitted were built in Plant No 802.
2. Test stand No 3 is used for the testing of turboprop engines. It is equipped with a water brake for power absorption of 6,000 hp and a hydraulic measuring apparatus for a remaining thrust of up to 5,000 kph, as well as a hydraulic torque indicator. Test stand No 4, which is used for the testing of compressors is equipped with a 5,000-watt motor for starting complete compressors.
3. There are plans to establish stands Nos 5 and 6 for testing the OI8-turboprop, equipped with propeller blades. These stands are scheduled to have a measuring channel of 10 x 10 meters, at against 7.5 x 7.5 meters on the available stands. Construction work for these stands started in June 1958 adjacent to stand No 4.
4. It has also been planned to start about October 1958 remedial work on stand No 1 so that it can be used for the testing of OI8-turboprop with propeller. Work included structural changes on the trestle and the installation of a concrete propeller shaft. Work was scheduled to last three months.

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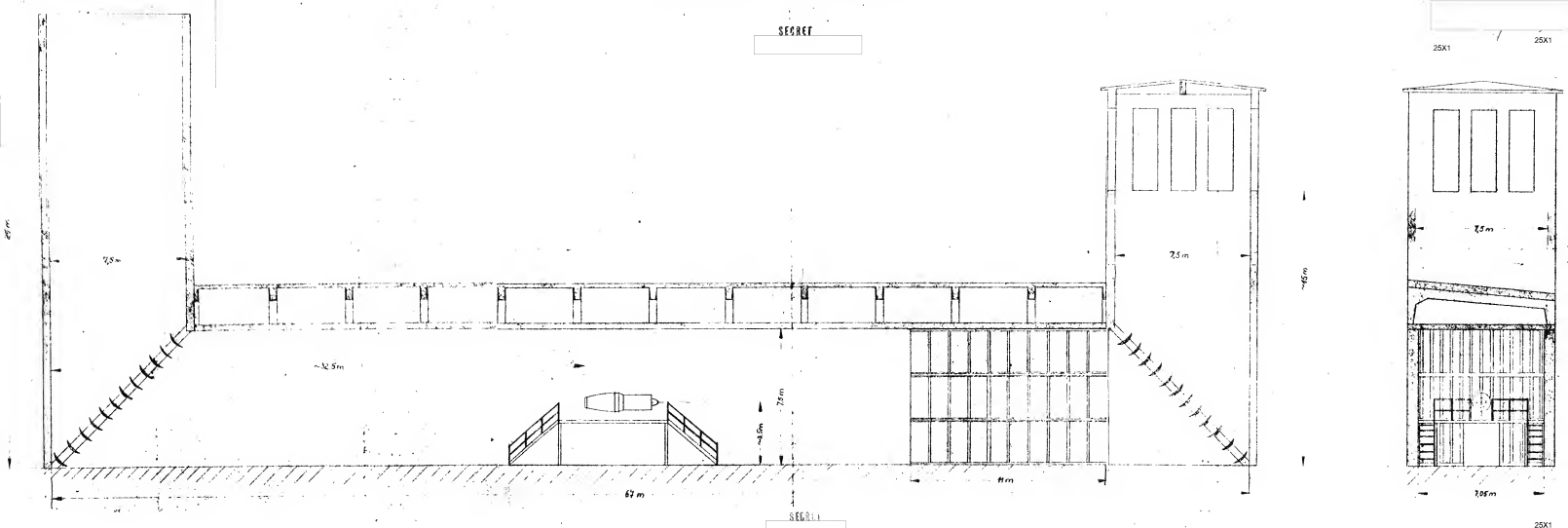
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CLASSIFICATION

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COUNTRY East Germany

REPORT

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SUBJECT VVB-Flugzeugbau, Plant No 802 Pirna, Test Stands

DATE OF REPORT 19 September 1958

PLACE ACQUIRED

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LAST REPORT ON SUBJECT
(If applicable)

ANNEXES 1-sketch

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1. Prior to 28 June 1958, it was learned that four equally built test stands, which differ only in their equipment, belonged to Plant No 802, Pirna, of VVB-Flugzeugbau. The test stands Nos 1 and 2 are used for the testing of turbojet engines. The trestle mounting the engine is suspended by three plate springs, each 400 x 200 x 3 mm. It has hydraulic equipment for absorbing the resonant vibrations. The measuring apparatus has hydraulic operation with a range of up to 5,000 kph. The hydraulic measure cells on which the spring movements of the trestle are transmitted were built in Plant No 802.
2. Test stand No 3 is used for the testing of turboprop engines. It is equipped with a water brake for power absorption of 6,000 hp and a hydraulic measuring apparatus for a remaining thrust of up to 1,000 kph, as well as a hydraulic torque indicator. Test stand No 4 which is used for the testing of compressors is equipped with a 5,000-kW electromotor for starting complete compressors.
3. There are plans to establish stands Nos 5 and 6 for the testing of the O18-turboprop, equipped with propeller brake. These stands are scheduled to have a measuring channel of 10 x 10 meters, as against 7.5 x 7.5 meters on the available stands. Excavation work for these stands started in June 1958 adjacent to stand No 4.
4. It has also been planned to start in about October 1958 remodeling work on stand No 1 so that it can be used for the testing of O18-turboprop with propeller. Work included constructional changes on the trestle and the installation of a concrete propeller shield. Work was scheduled to last three months.

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Comment. Attached in the Annex is the copy of a drawing of a test stand in Plant No 802, Pirna, of VVB-Flugzeugbau. The drawing was made by source in June 1958.

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